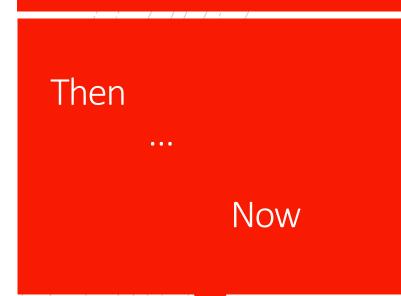


Bonnie Postlethwaite UMKC Dean of Libraries





Individual Study



Collaborative Learning

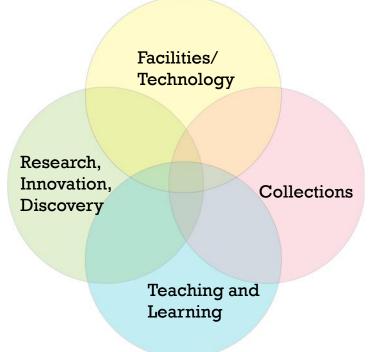
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Book Repository



Focus on Student Learning

Engineering Transformation and Innovation in Libraries



2018 ASEE Midwest Conference

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Collections:

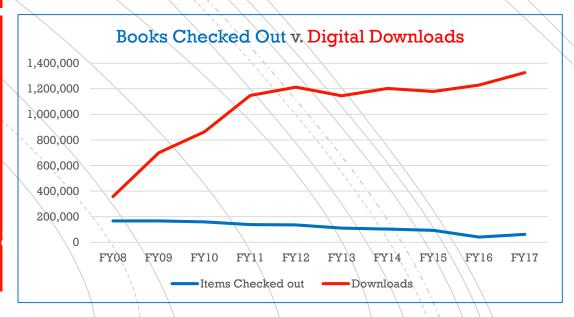
Scholarly Resources

- Students access digital resources more than they check out printed books
- A *Student Monitor* survey of 1,200 students also reported a preference for print for every type of study except research.

From: Gensler, Dialog 27, Student View of Academic Libraries

Collections: UMKC Usage Trends

UMKC Book check-outs in FY2008 = 167,000 FY2017 = 61,61295% of 2018 budget > digital materia



What College Students

Wallitstudying in the library:

- A place where they can focus
- Focus makes their study time more effective.
- 3:1 Quiet study to collaborative study spaces
- Technology rich
- Scholarly resources.
- See and be seen—even if they need to study alone

Gensler, Dialog 27, A Student View of Academic Libraries

LIBRARY RESOURCES, TODAY AND TOMORROW

The most important resource provided by today's libraries is quiet space, according to students. When asked about tomorrow's libraries, quiet space remains important, while technology and digital resource concerns rise to the top.

TODAY IN THE FUTURE MOST IMPORTANT Quiet space for students **Digital library/resources** Well integrated technology **Collaborative space for students** Books/stacks on-site LEAST IMPORTANT

What College Students Want

"The competition for great study spaces on campus is fierce, the vibe, the slight din, the social component, being near others yet able to focus." says Gensler's Melissa Mizell.

Gensler, Dialog 27, A Student View of Academic Library

Learning Paradigm Shifts

| | Previous Learning Styles | New Learning Styles |
|--------|---|---|
| | Learning is an individual activity | Learning is a group and an individual activity |
| | Only happens in classrooms at fixed times | Learning takes place everywhere |
| | Classrooms always have a front •Chalkboards or white boards •Tablet chairs—one-size fits all • No sound system except in largest of rooms | Learning spaces are open and flexible • Moveable furniture • Shared screens • No front to the room • Lots of screen projection and white boards • Technology rich |
| | Rote Learning | Learning that fosters critical thinking, creativity and development of communication skills •Team projects •Open discussions •Active learning / High-impact learning |
| | Sage on the stage—Teaching with lectures | Flipped classroom—teacher as facilitator |
| ensler | Print based classroom materials | Multi-media, online resources |

Image © Ger

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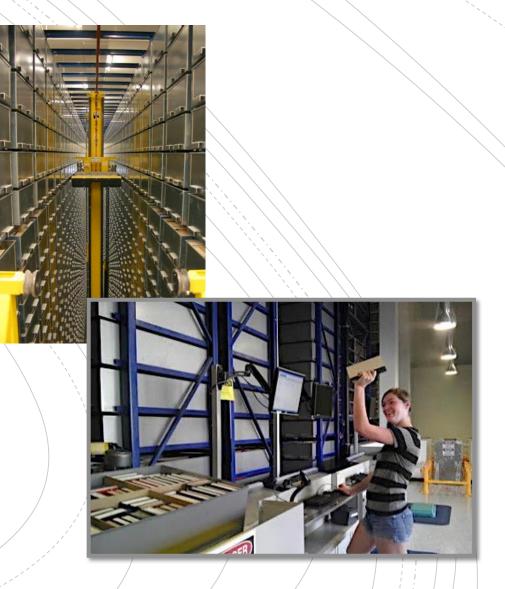
Making Room for Library

- UsefScollection acquisition is now mostly electronic
 - Physical collections growing at a much slower pace
- Physical collections are less current
- Moving collections to higher density storage
 - Automated Storage Retrieval Systems (ASRS)
 - Off site depositories with 'cherry-picker' installations
 - Compact shelving

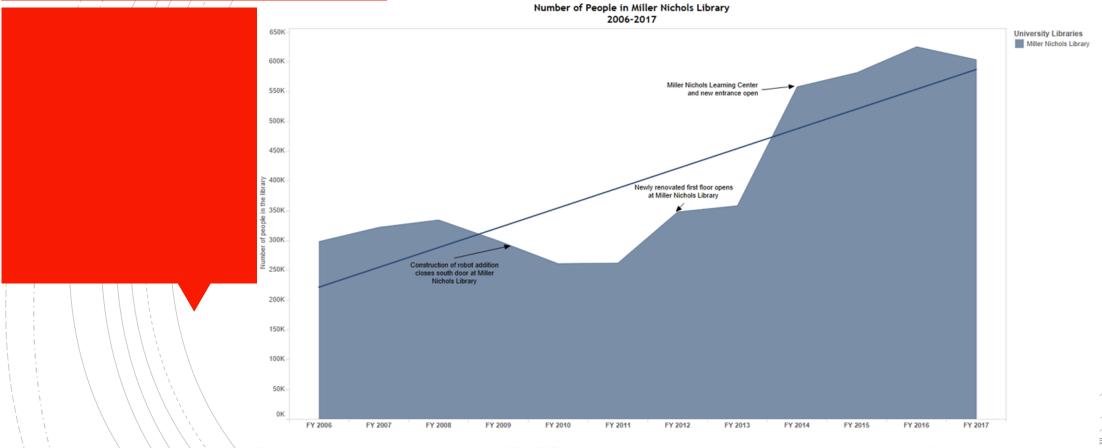


Making Room for Library Users @

Collections were squeezing out the readers
Limited real estate
Robotic storage = 1/7 space of traditional stacks
Keeps collection on site; 80% in RooBot
Under 10 minutes retrieval time



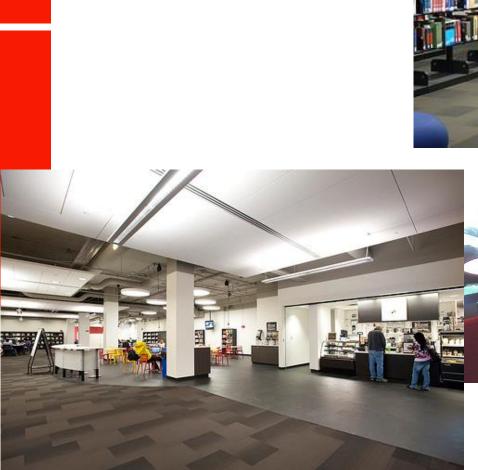
Revovation Impact at UMKC



Shows the total number of people entering the each library building between 2006 and 2017. Lines show the overall trend for each building, while the highlighted areas show the number of people in each building.

Comfortable Spaces







9/18/18

Engineering Transformation and Innovation in Libraries

Comfortable Spaces



Grand Valley State Univ Hunt Library--NCSU











Libraries as Space for Teachin and Learning:

• Flexible spaces that can be rearranged for multiple classroom and study needs Research Consultations



iX Theater @ UMKC Miller Nichols Library

1. Book discussion

2. Program

3. General study



Collaborative

Learning Spaces UMKC





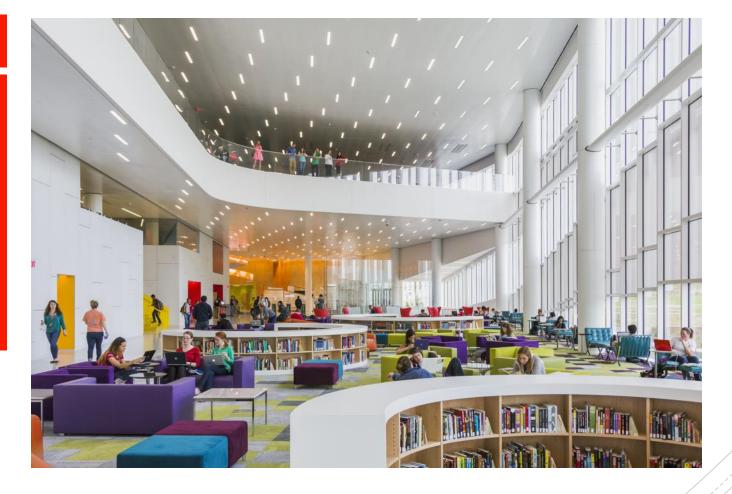






Collaborative

Learning Spaces NCSU—Hunt Library



Collaborative

Learning Spaces NCSU—Hunt Library



Terrace



Collaborative

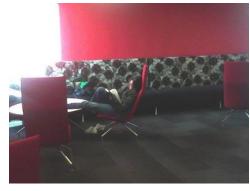
Learning Spaces NCSU—D.H. Hill Library Presentation Practice Room



Individual

Study UMKC











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Individual

Study NCSU Libraries







High Impact / Active Learning

Makerspace

Technology Showcase and Lending





NCSU Libraries

High Impact / Active Learning

Music Booths

Virtual Reality Lab

Digital Media Lab





NCSU Libraries



9/18//18



NCSU Libraries

High Impact / Active Learning

Immersive Technologies

Simulation Lab

NCSU Hunt Library





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NCSU Hunt Library

Web site and video

http://www.ncsu.edu/huntlibrary



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